

CIPHER KEY 2 processing encrypted data B 1 process of directly FIG. 2D FIG. 2B bBOCESZINC DVLV DECODING CIPHER CIPHER KEY 1  $B\ 2$  data conversion conducted CIPHER CIPHER KEY 2 KEY with ciphers maintained FIG. 2A FIG. 2C CONNEKZION DVLV ENCKYPTION CIPHER PLAIN A

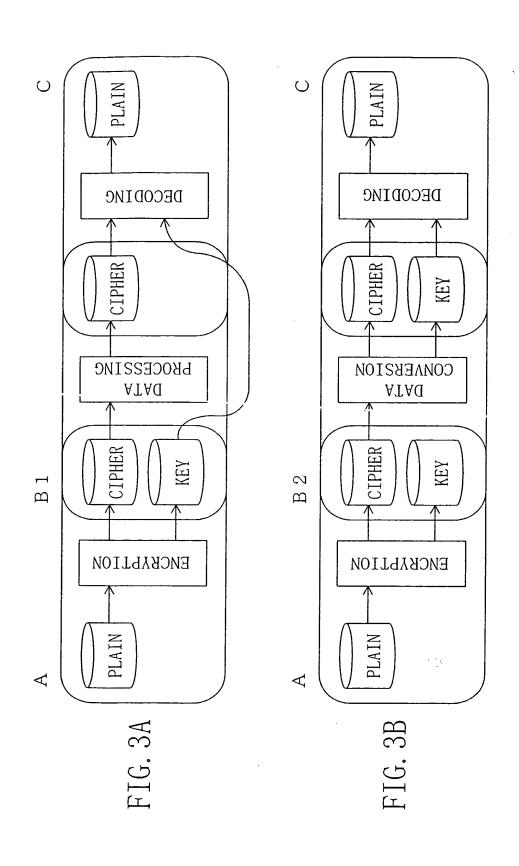
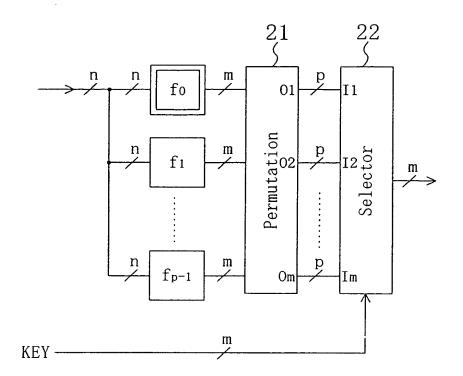
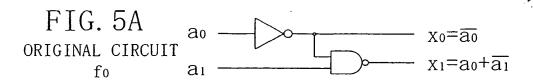
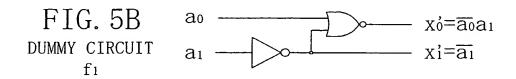
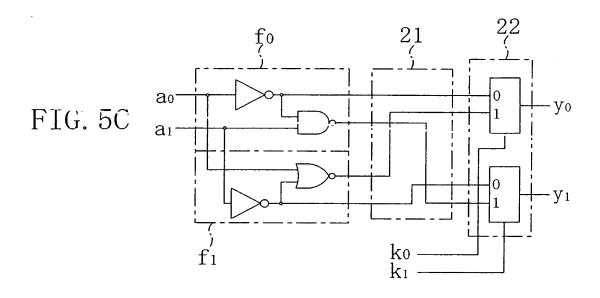


FIG. 4









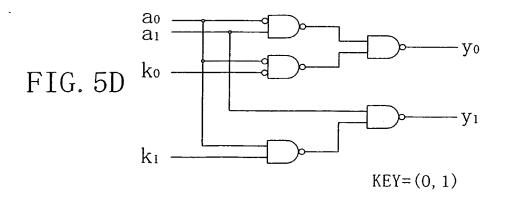
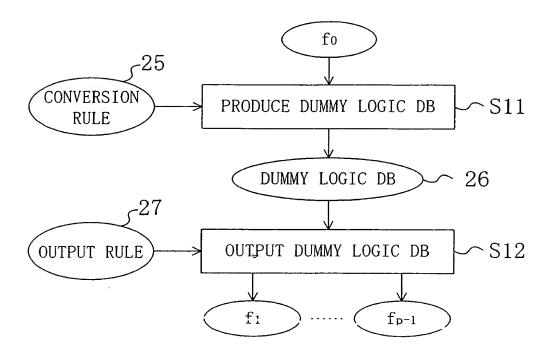


FIG. 6



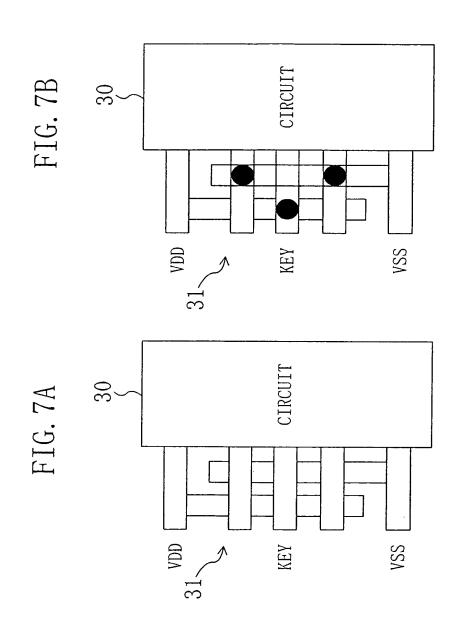


FIG. 8

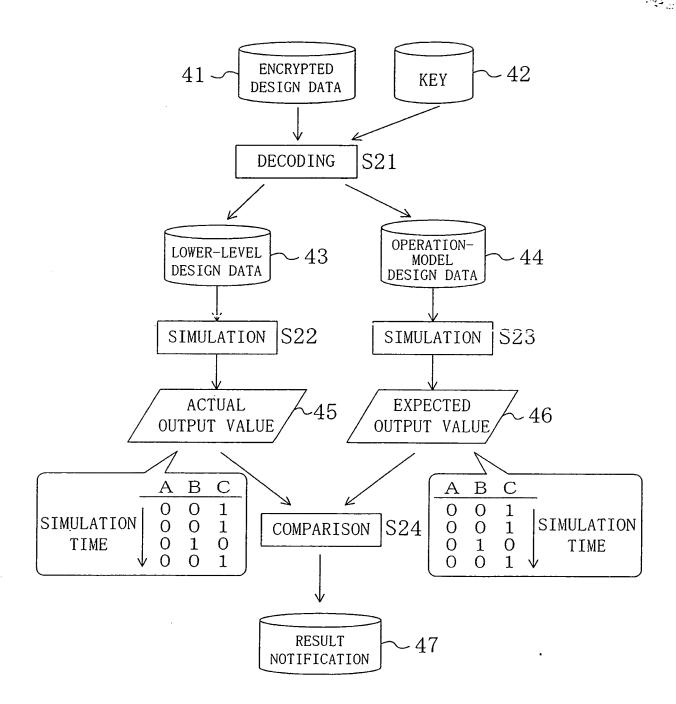


FIG. 9

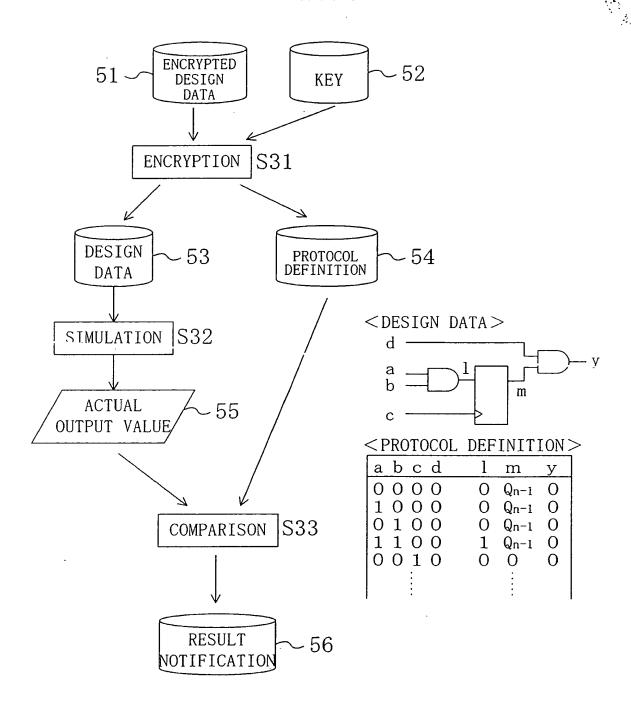


FIG. 10

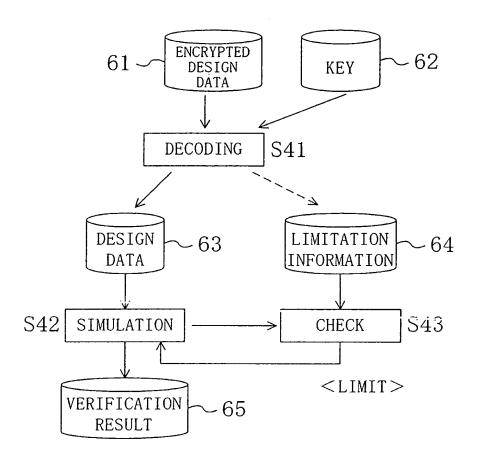


FIG. 11A

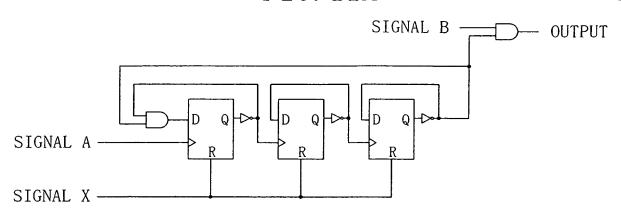


FIG. 11B

	NUMBER OF		
X	TIMES A CHANGES	В	OUTPUT
O	1	O	$\begin{bmatrix} 0 \\ 1 \end{bmatrix}$ O K
0	. 0	1	
0	2	O 1	$\begin{bmatrix} 0\\1 \end{bmatrix}$ O K
	;		
O	7	0 1	$\begin{bmatrix} 0 \\ 1 \end{bmatrix}$ OK
0	8	0	0 NG
		1	0 ] 110
0	9	0 1	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$ N G
		_	; ; ;
		•	

FIG. 12A

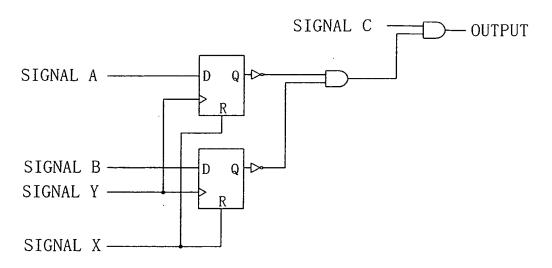
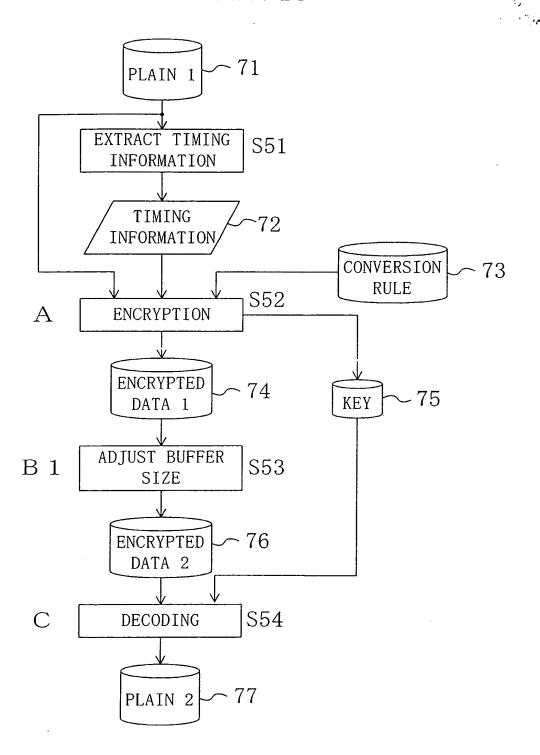


FIG. 12B

X	Y	A	В	С	OUTPUT
О		0	0	0	0]
		Ο	О	1	$1 \rightarrow OK$
		0	1	0	0 )
		O	1	1	0
		1	O	O	0 NG
		1	O	1	0
		1	1	О	0
		1	1	1	οJ

FIG. 13



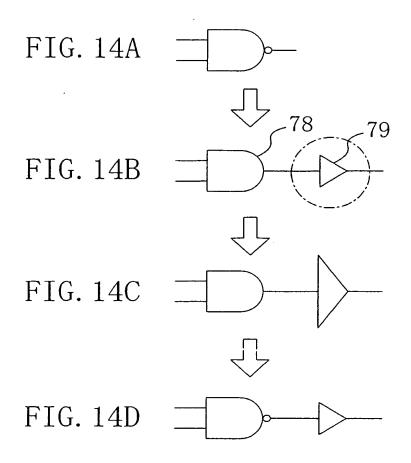
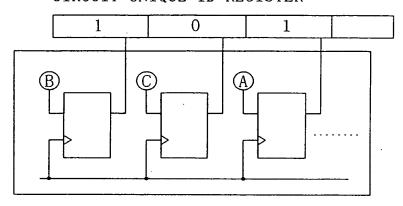


FIG. 15

## CIRCUIT UNIQUE ID REGISTER



$$A = 1$$

$$B = 1$$

$$C = 0$$
UNIQUE PARAMETER

FIG. 16

